

# **Health Profile Storey County, Nevada 2001**

*Bureau of Community Health  
August, 2002*

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Department of Human Resources

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State Health Division



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# HEALTH PROFILE STOREY COUNTY, NEVADA, 2001

## EXECUTIVE SUMMARY

This report was prepared by the Bureau of Community Health (BCH), Nevada State Health Division. The purpose of the report is to provide information to policy makers, grant writers, medical providers, and administrators, and other parties interested in the health status of Storey County and the State of Nevada. The data is organized into sections by providing basic demographics, socioeconomic status, births, deaths, chronic diseases and risk factors, infectious diseases, injuries, preventive services for children and adults. For most health indicators, data for Storey County were compared to the statewide data and Healthy People (HP) 2010 targets.

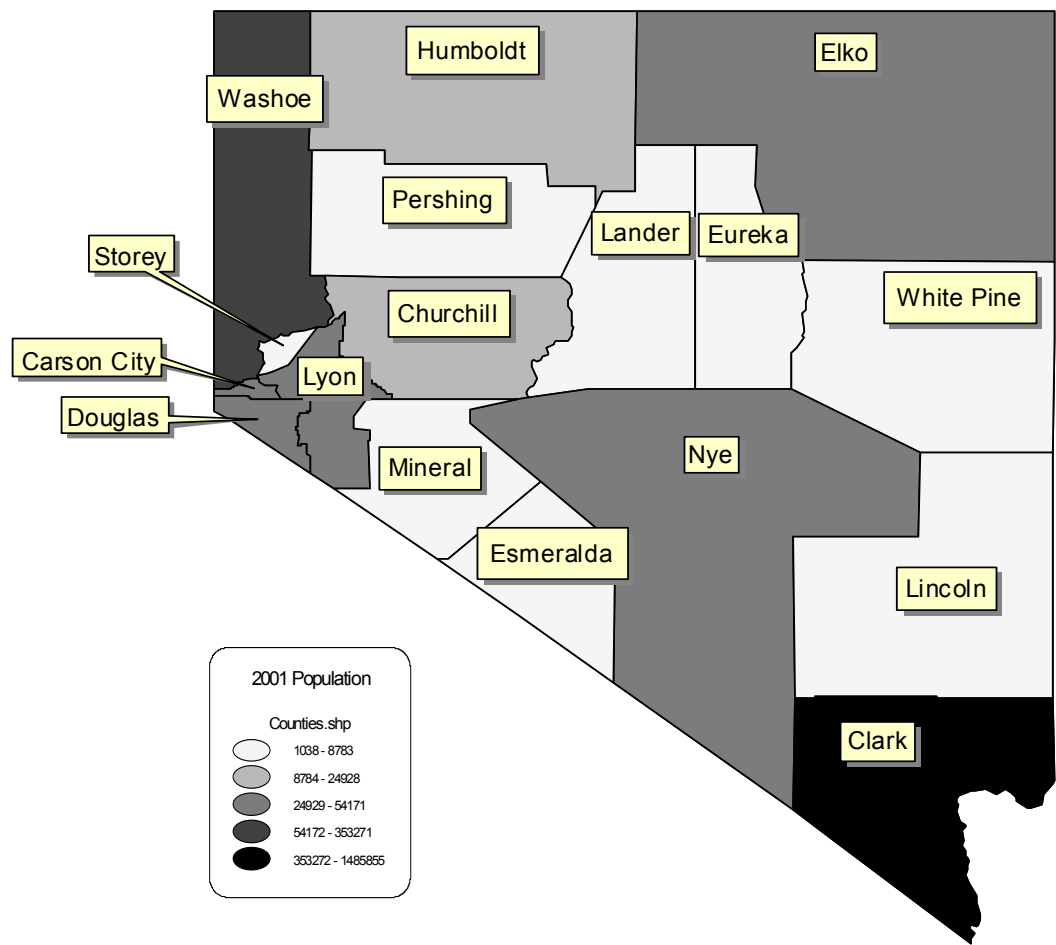
Storey County had a 37% increases in population from 1991 to 2001. In 2001, the population of Storey County was 3,714 accounting for 0.2% of the total state population (2,132,498) of Nevada. Storey County has a higher percentage of non-white population, a higher median income and a lower unemployment rate compared to the State of Nevada.

The following table is a summary of the current health status of Storey County compared with HP 2010 targets. Details can be found later in the report under the respective sections.

Health Indicators	HP 2010 Targets Met ★	HP 2010 Not Met ▲
BIRTHS	1. Teen Mothers	1. Prenatal care in the 1st trimester
DEATHS	1. Neonatal infant mortality rate 2. Neonatal infant mortality rate 3. Mortality rate due to all cancers Mortality rate due to trachea, bronchus, & lung cancer 4. Mortality rate due to breast cancer 5. Mortality rate due to cervical cancer Mortality rate due to colorectal cancer 6. Mortality rate due to prostate cancer 7. Mortality rate due to COPD 8. Mortality rate due to stroke 9. Mortality rate due to Diabetes 10. Mellitus 11. Mellitus	1. Infant Mortality rate 2. Post-neonatal mortality rate
CHRONIC DISEASES MAJOR RISK FACTORS	1. Cholesterol checking rate	1. Cigarette smoking rate 2. Physical inactivity rate 3. % of people trying to lose weight 4. High blood pressure rate
INFECTIOUS DISEASES	1. Gonorrhea 2. Syphilis (primary & secondary) 3. Hepatitis A 4. Hepatitis B 5. Hepatitis C 6. Mumps 7. Pertussis 8. Rubella 9. Meningitis (bacterial) 10. Meningococcal disease 11. Tuberculosis 12. Campylobacteriosis 13. E. coli 0157 Diarrhea 14. Salmonellosis	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.
INJURIES	1. Suicide	1. Homicide 2. Motor Vehicle Injuries
PREVENTIVE SERVICES USE	1. Mammogram for women 40 years and older in the preceding 2 years 2. Pap smears for adult women	1. Immunization Coverage in 2-year old children 2. Pneumococcal pneumonia vaccination for adults 3. Influenza vaccination for adults in the past 12 months



NEVADA MAP





## HEALTH PROFILE DEMOGRAPHICS

### 2001 DEMOGRAPHICS

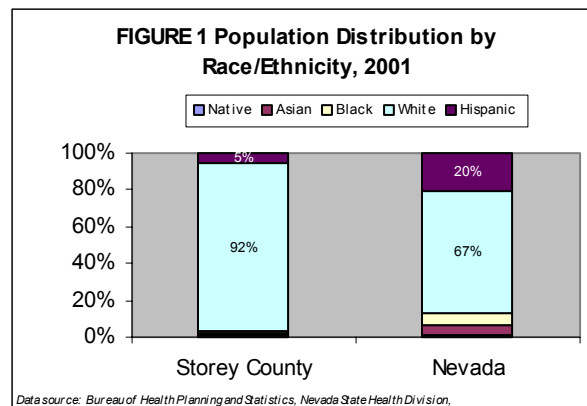
Population in 2001:	Storey County	3,714
	Nevada	2,132,498
Percent of total Nevada population:		0.2%
Population density (people per square mile):	Storey County	13
	Nevada	18

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

**TABLE 1 Population by Gender, Age Group, and Race/Ethnicity, 2001**

		Storey County		Nevada	
		Population	% of Total Population	Population	% of Total Population
GENDER	Male	1,925	52%	1,086,325	51%
	Female	1,789	48%	1,046,173	49%
	<b>Total</b>	<b>3,714</b>	<b>100%</b>	<b>2,132,498</b>	<b>100%</b>
AGE GROUP	<1	36	1%	31,028	1%
	1-17	695	19%	515,040	24%
	18-64	2,495	67%	1,352,890	63%
	65+	488	13%	233,541	11%
	<b>Total</b>	<b>3,714</b>	<b>100%</b>	<b>2,132,499</b>	<b>100%</b>
RACE/ETHNICITY	Native	49	1%	23,015	1%
	Asian	44	1%	106,104	5%
	Black	10	0%	145,888	7%
	White	3,416	92%	1,422,260	67%
	Hispanic	195	5%	435,232	20%
	<b>Total</b>	<b>3,714</b>	<b>100%</b>	<b>2,132,499</b>	<b>100%</b>

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



- In 2001, Storey County had a similar distribution by gender compared to the State of Nevada.
- Storey County has a lower percentage of the population in the age group 1-17 (19%) compared to the State of Nevada (24%) and a higher percentage of the population in the 18-64 age group (67%) compared to the State of Nevada (63%) in 2001.
- Storey County has a lower rate of non-white population (8%) compared with the State of Nevada (33%) in 2001.

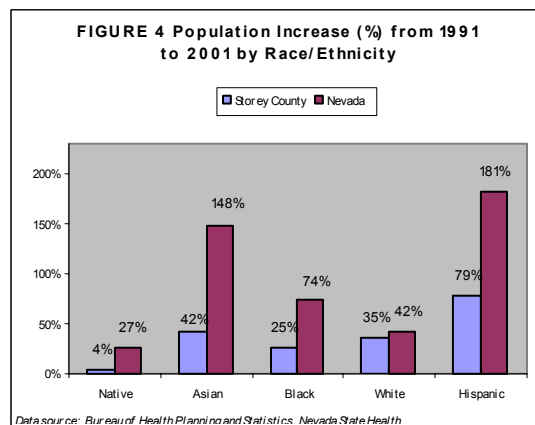
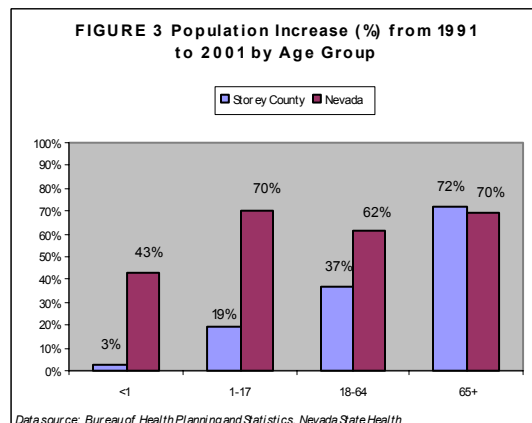
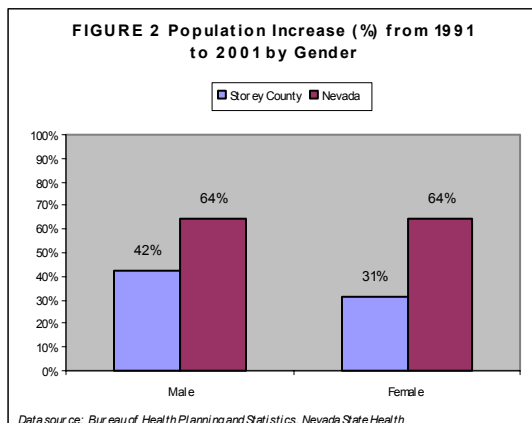


## **1991 - 2001 POPULATION CHANGE**

**TABLE 2 Population Change from 1991 to 2001 by Gender, Age Group, and Race/Ethnicity**

		Storey County			Nevada		
		1991	2001	% Increase	1991	2001	% Increase
GENDER	Male	1,355	1,925	42%	661,625	1,086,325	64%
	Female	1,365	1,789	31%	637,735	1,046,173	64%
	<b>Total</b>	<b>2,720</b>	<b>3,714</b>	<b>37%</b>	<b>1,299,360</b>	<b>2,132,498</b>	<b>64%</b>
AGE GROUP	<1	35	36	3%	21,660	31,028	43%
	1-17	583	695	19%	302,839	515,040	70%
	18-64	1,818	2,495	37%	837,255	1,352,890	62%
	65+	284	488	72%	137,606	233,541	70%
	<b>Total</b>	<b>2,720</b>	<b>3,714</b>	<b>37%</b>	<b>1,299,360</b>	<b>2,132,499</b>	<b>64%</b>
RACE/ETHNICITY	Native	47	49	4%	18,163	23,015	27%
	Asian	31	44	42%	42,818	106,104	148%
	Black	8	10	25%	84,032	145,888	74%
	White	2,525	3,416	35%	999,544	1,422,260	42%
	Hispanic	109	195	79%	154,803	435,232	181%
	<b>Total</b>	<b>2,720</b>	<b>3,714</b>	<b>37%</b>	<b>1,299,360</b>	<b>2,132,499</b>	<b>64%</b>

*Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002*



- From 1991-2001, Storey County had a lower population increase rate (37%) compared to the State of Nevada (64%).
- The age group with the greatest growth was the 65 years and over (72%).
- The race/ethnic group with the greatest increase has been the Hispanic population (79%).



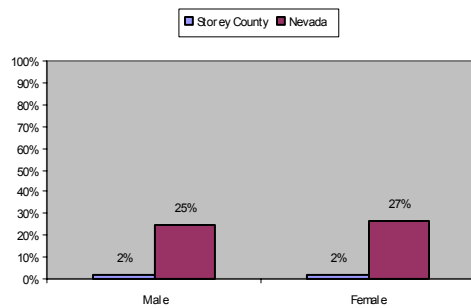
### 2001 - 2010 POPULATION PROJECTIONS

**TABLE 3 Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity**

		Storey County			Nevada		
		2001	2010	% Increase	2001	2010	% Increase
GENDER	Male	1,925	1,968	2%	1,086,325	1,356,489	25%
	Female	1,789	1,823	2%	1,046,173	1,328,363	27%
	<b>Total</b>	<b>3,714</b>	<b>3,791</b>	<b>2%</b>	<b>2,132,498</b>	<b>2,684,853</b>	<b>26%</b>
AGE GROUP	<1	36	17	-52%	31,028	40,232	30%
	1-17	695	390	-44%	515,040	628,131	22%
	18-64	2,495	2,586	4%	1,352,890	1,689,759	25%
	65+	488	799	64%	233,541	326,731	40%
	<b>Total</b>	<b>3,714</b>	<b>3,791</b>	<b>2%</b>	<b>2,132,499</b>	<b>2,684,853</b>	<b>26%</b>
RACE/ETHNICITY	Native	49	57	17%	23,015	35,517	54%
	Asian	44	36	-18%	106,104	172,683	63%
	Black	10	9	-7%	145,888	190,606	31%
	White	3,416	3,464	1%	1,422,260	1,608,666	13%
	Hispanic	195	225	15%	435,232	677,380	56%
	<b>Total</b>	<b>3,714</b>	<b>3,791</b>	<b>2%</b>	<b>2,132,499</b>	<b>2,684,853</b>	<b>26%</b>

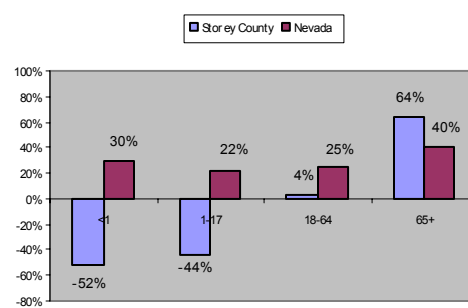
Data source: Nevada State Demographer, 2002

**FIGURE 5 Population Increase (%) from 2001 to 2010 by Gender**



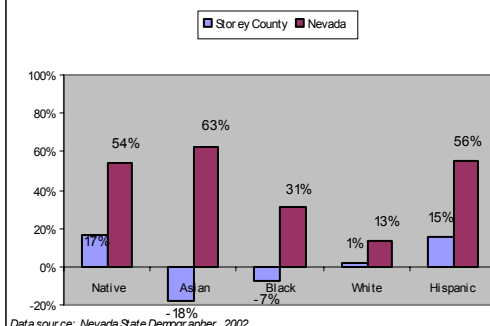
Data source: Nevada State Demographer, 2002

**FIGURE 6 Population Increase (%) from 2001 to 2010 by Age Group**



Data source: Nevada State Demographer, 2002

**FIGURE 7 Population Increase (%) from 2001 to 2010 by Race/Ethnicity**



Data source: Nevada State Demographer, 2002

- Population projections for 2010 predict that Storey County will grow at a lower rate (2%) than the State of Nevada (26%).
- Population projections for 2010 predict that the population 65 and over will increase while the populations for other age categories will decrease.
- Population projections for 2010 predict that the Hispanic and Native populations will increase.



## SOCIOECONOMIC STATUS

**TABLE 4 Socioeconomic Status**

		Storey County	Nevada
	Total households (2000) <sup>3</sup>	1,462	751,165
Households (2000) <sup>1</sup>	Family households (families) (%) <sup>4</sup>	66%	66%
	Nonfamily households (%) <sup>5</sup>	34%	34%
	Households with individuals under 18 years (%)	25%	35%
	Households with individuals 65 years and over (%)	23%	21%
	Average household size <sup>6</sup>	2.32	2.62
Income (2000)	Median household income	\$55,008.00	\$39,280.00
	People of all ages in poverty (%) <sup>8</sup>	4%	11%
Unemployment rate (%) <sup>2</sup>	2001	3.9	5.3
	2000	2.9	4.1
	1999	3.9	4.4

Data source: <sup>1</sup> US Census Bureau, Census 2000

<sup>2</sup> Nevada Department of Employment, 2002

Note:

<sup>3</sup>A household includes all of the people who occupy a housing unit. People not living in households are classified as living in group quarters.

<sup>4</sup>A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people in a household who are related to the householder are regarded as members of his or her family.

<sup>5</sup>A householder living alone or with nonrelatives only.

<sup>6</sup>A measure obtained by dividing the number of people in households by the total number of households (or householders).

<sup>7</sup>Represents 90% confidence interval

<sup>8</sup>Poverty can be determined based on the poverty thresholds (see technical notes for POVERTY)

- In 2000, Storey County had a lower percentage of households with individuals under 18 years (25%) compared to the State of Nevada (35%).
- The median household income in Storey County was higher than in the State of Nevada in 2000.
- Storey County consistently had lower unemployment rates from 1999 to 2001 compared to the State of Nevada.



## BIRTHS

TABLE 5 Births, 1999-2001

	1999		2000		2001		Healthy People 2010 Targets
	Storey County	Nevada	Storey County	Nevada	Storey County	Nevada	
Total births	11	28,911	<sup>6</sup> NA	30,130	8	31,297	No target
Births by race/ethnicity							
Native	<sup>6</sup> NA	380	0	372	0	399	No target
Asian	0	1,586	0	1,894	0	2,031	No target
Black	0	2,077	0	2,255	0	2,389	No target
White	10	15,244	<sup>6</sup> NA	15,303	7	15,264	No target
Hispanic	0	9,153	0	10,007	X	10,831	No target
Other	0	471	0	299	0	383	No target
LBW (%) <sup>1</sup>	<sup>6</sup> NA	7.6%	<sup>6</sup> NA	7.2%	<sup>6</sup> NA	7.6%	5.0%
VLBW (%) <sup>2</sup>	<sup>6</sup> NA	1.2%	<sup>6</sup> NA	1.3%	<sup>6</sup> NA	1.0%	0.9%
Preterm births (%) <sup>3</sup>	0.0%	10.2%	0.0%	9.8%	<sup>6</sup> NA	10.0%	7.6%
Teen mothers (per 1,000) <sup>4</sup>	0.0	48.2	<sup>6</sup> NA	44.3	0.0	40.8	43 ★
Older mothers (%) <sup>5</sup>	<sup>6</sup> NA	2.2%	<sup>6</sup> NA	2.1%	0.0%	2.3%	No target
Unmarried mothers (%)	<sup>6</sup> NA	33.4%	0.0%	34.0%	<sup>6</sup> NA	32.2%	No target
Prenatal care in 1 <sup>st</sup> trimester (%)	72.7%	68.7%	<sup>6</sup> NA	70.6%	87.5%	72.4%	90.0% ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

<sup>1</sup>LBW: Low Birth Weight (<2,500 grams);<sup>2</sup>VLBW: Very Low Birth Weight (<1,500 grams);<sup>3</sup>Preterm births: Births are <37 weeks of gestation;<sup>4</sup>Teen mothers: Mother's age is younger than 18 years old;<sup>5</sup>Older mothers: Mother is older than 40;<sup>6</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- The total births for residents of Storey County in 2001 accounted for 0.0% of the total births in Nevada.
- The HP 2010 target for teen mothers per 1,000 live births was met by Storey County in 2001.
- The HP 2010 target for prenatal care in the first trimester was not met by Storey County in 2001.
- The HP 2010 targets for LBW, VLBW, and preterm births were not evaluated since there were less than 5 cases reported in Storey County in 2001.



## DEATHS

TABLE 6 Infant Death Rates per 1,000 Live Births, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Storey County	Nevada	Storey County	Nevada	Storey County	Nevada	
Infant mortality rate <sup>1</sup>	0.0	6.6	<sup>1</sup> NA	6.5	<sup>1</sup> NA	5.7	4.5 ▲
Neonatal infant mortality rate <sup>2</sup>	0.0	3.9	<sup>1</sup> NA	4.0	0.0	2.9	2.9 ★
Post-neonatal mortality rate <sup>3</sup>	0.0	2.7	<sup>1</sup> NA	2.4	<sup>1</sup> NA	2.7	1.2 ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

<sup>1</sup>Within the first year<sup>2</sup>Within the first 28 days of life<sup>3</sup>Between 28 days of life and 1 year

TABLE 7 Age-adjusted Mortality Rates per 100,000 Population, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Storey County	Nevada	Storey County	Nevada	Storey County	Nevada	
Diseases of the heart	<sup>1</sup> NA	267.8	<sup>1</sup> NA	246.3	144.8	257.4	No target
All Cancers	<sup>1</sup> NA	200.9	126.1	204.5	65.5	203.5	159.9 ★
Trachea, Bronchus, & Lung	<sup>1</sup> NA	62.5	<sup>1</sup> NA	62.8	0.0	63.0	44.9 ★
Breast	0.0	25.9	0.0	25.8	0.0	24.8	22.3 ★
Cervical	0.0	2.4	0.0	3.4	0.0	2.9	2.0 ★
Colorectal	0.0	21.7	0.0	23.6	0.0	22.0	13.9 ★
Prostate	<sup>1</sup> NA	28.8	0.0	25.1	0.0	30.1	28.8 ★
CLRD*	<sup>1</sup> NA	63.7	<sup>1</sup> NA	59.1	0.0	0.0	60.0 ★
Stroke	0.0	57.2	<sup>1</sup> NA	54.0	44.4	55.3	48.0 ★
Diabetes Mellitus	0.0	16.9	0.0	14.5	0.0	17.3	45.0 ★
Influenza and Pneumonia	0.0	22.1	<sup>1</sup> NA	21.2	0.0	22.4	No target
All Deaths	305.4	914.1	551.3	881.3	424.8	923.4	No target

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

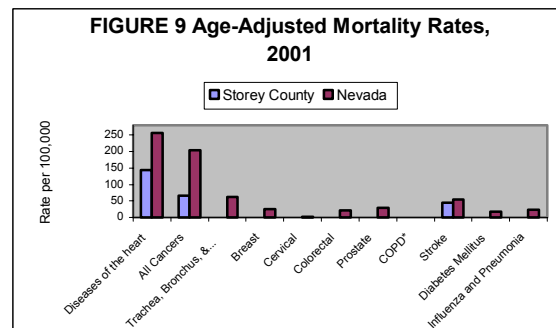
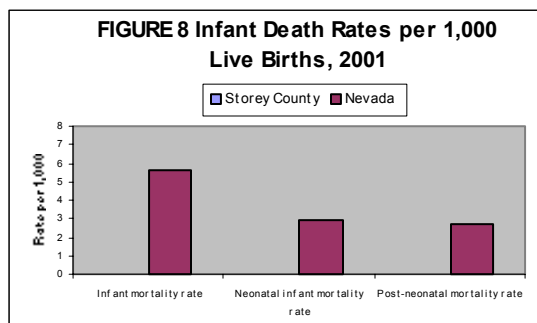
Age adjusted to the year 2000 standard population for all rates and 2010 targets

<sup>1</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

\* CLRD: Chronic Lower Respiratory Disease



- The HP 2010 objectives for age-adjusted mortality rates for infant mortality and post-neonatal mortality were not met by Storey County or the State of Nevada in 2001.
- The HP 2010 objectives for age-adjusted mortality for neonatal infant mortality, all cancers, trachea, bronchus, and lung cancer, breast cancer, cervical cancer, colorectal cancer, prostate cancer, and stroke were met in Storey County but not the State of Nevada in 2001.
- In 2001, the HP 2010 objectives for age-adjusted mortality for chronic lower respiratory disease and diabetes mellitus were met in Storey County and the State of Nevada.



TABLE 8 Top Ten Causes of Death by Age Group for the Two-Year Period (1999-2000)

	Ranking	Age Group					
		< 1	1-14	15-24	25-44	45-64	> 65
STOREY COUNTY RESIDENTS	Total Deaths	0	NA <sup>1</sup>	0	0	11	20
	1 <sup>st</sup>		Cancer			Suicide, Cancer	Others <sup>2</sup>
	2 <sup>nd</sup>					Respiratory Disease <sup>3</sup> , Heart Disease	Cancer
	3 <sup>rd</sup>					Influenza and Pneumonia	Heart Disease
	4 <sup>th</sup>						Stroke
	5 <sup>th</sup>						Unintentional Injuries, Septicemia, Respiratory Disease <sup>3</sup>
	6 <sup>th</sup>						
	7 <sup>th</sup>						
	8 <sup>th</sup>						
	9 <sup>th</sup>						
	10 <sup>th</sup>						
NEVADA RESIDENTS	Total Deaths	386	180	406	2,081	6,562	20,083
	1 <sup>st</sup>	Others <sup>2</sup>	Unintentional Injuries	Unintentional Injuries	Unintentional Injuries	Cancer	Heart Disease
	2 <sup>nd</sup>	Unintentional Injuries	Others <sup>2</sup>	Homicide, Suicide	Others <sup>2</sup>	Heart Disease	Cancer
	3 <sup>rd</sup>	Heart Disease	Heart Disease, Homicide, Cancer	Others <sup>2</sup>	Suicide	Others <sup>2</sup>	Others <sup>2</sup>
	4 <sup>th</sup>	Septicemia	Septicemia	Cancer	Heart Disease	Unintentional Injuries	Respiratory Disease <sup>3</sup>
	5 <sup>th</sup>	Homicide, Influenza and Pneumonia	Suicide	Heart Disease	Cancer	Liver Disease <sup>4</sup>	Stroke
	6 <sup>th</sup>	Stroke	Influenza and Pneumonia, Stroke, Respiratory Disease <sup>3</sup>	Influenza and Pneumonia	Homicide	Respiratory Disease <sup>3</sup>	Influenza and Pneumonia
	7 <sup>th</sup>	Cancer, Kidney Disease <sup>5</sup>	Kidney Disease <sup>5</sup>	Diabetes, Septicemia	HIV	Suicide	Kidney Disease <sup>5</sup>
	8 <sup>th</sup>	Respiratory Disease <sup>3</sup> , HIV		HIV, Stroke, Respiratory Disease <sup>3</sup>	Liver Disease <sup>4</sup>	Stroke	Septicemia
	9 <sup>th</sup>			Liver Disease <sup>4</sup>	Stroke	Diabetes	Alzheimer's Disease
	10 <sup>th</sup>				Diabetes	Septicemia	Diabetes

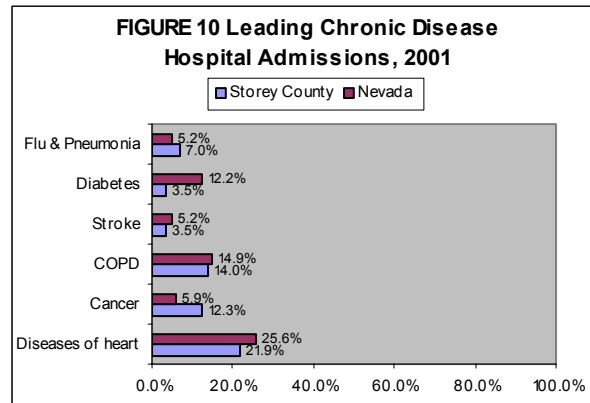
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

<sup>1</sup> "NA" indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.<sup>2</sup> "Others" represents causes of death other than the 15 leading causes of death including heart disease, cancer, stroke, chronic lower respiratory disease, accidents, influenza and pneumonia, diabetes mellitus, HIV diseases, suicide, chronic liver diseases and cirrhosis, nephritis, nephrotic syndrome and nephrosis, septicemia, Alzheimer's Disease, homicide & legal intervention, and atherosclerosis.<sup>3</sup> "Respiratory Disease" represents chronic lower respiratory diseases.<sup>4</sup> "Liver Disease" represents chronic liver disease and cirrhosis.<sup>5</sup> "Kidney Disease" represents nephritis, nephritic syndrome, and nephrosis.



## CHRONIC DISEASES: CONDITIONS AND RISK FACTORS



- Storey County had a higher hospital admission rate for flu and pneumonia, and cancer than the State of Nevada in 2001.
- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 11 lived in Storey County (7 male, 4 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 13 lived in Storey County (8 male, 5 female).
- **There were too few people interviewed by the BRFSS to assess the smoking rate, alcoholic beverage consumption, physical activity and fitness, high blood pressure, and the rate of cholesterol testing in Storey County.**



## INFECTIOUS DISEASES

**TABLE 9 Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001**

Infectious Diseases	Storey County			Nevada			Healthy People 2010 Targets
	1999	2000	2001	1999	2000	2001	
Acquired Immunodeficiency Syndrome (AIDS)	0.0	0.0	<sup>4</sup> NA	12.1	13.3	10.5	1.0
Human Immunodeficiency Virus (HIV) - Not yet AIDS	<sup>4</sup> NA	0.0	0.0	9.3	13.6	12.2	Not Available
Chlamydia	0.0	0.0	<sup>4</sup> NA	145.1	189.0	227.2	170.0 <sup>1</sup>
Gonorrhea	0.0	0.0	0.0	61.3	73.2	82.8	19.0 ★
Syphilis (primary & secondary)	0.0	0.0	0.0	0.2	0.2	0.4	0.2 ★
Hepatitis A	0.0	0.0	0.0	6.8	4.2	3.3	4.5 ★
Hepatitis B	0.0	0.0	0.0	2.8	2.6	2.4	2.4-5.1 <sup>2</sup> ★
Hepatitis C	0.0	0.0	0.0	0.5	0.8	0.4	1.0 ★
Mumps	0.0	0.0	0.0	0.2	0.3	0.2	0.0 ★
Pertussis	0.0	0.0	0.0	0.7	0.7	1.9	See note <sup>3</sup> ★
Rubella	0.0	0.0	0.0	0.0	0.0	0.0	0.0 ★
Meningitis (Bacteria)	0.0	0.0	0.0	1.2	2.3	1.2	8.6 ★
Meningococcal disease	0.0	0.0	0.0	0.4	0.2	0.4	1.0 ★
Tuberculosis	0.0	0.0	0.0	4.5	4.4	4.5	1.0 ★
Campylobacteriosis	0.0	0.0	0.0	6.5	10.2	9.2	12.3 ★
<i>E. coli</i> 0157 Diarrhea	0.0	0.0	0.0	1.2	0.7	0.8	1.0 ★
Salmonellosis	0.0	0.0	0.0	9.4	12.4	9.5	6.8 ★

Data source: HIV/AIDS Reporting System (HARS), STD-MIS, and National Electronic Telecommunications Surveillance System (NETSS)

provided by Bureau of Community Health, Nevada State Health Division, 2002

Note: <sup>1</sup>Prevalence rate per 100,000 population for Chlamydia is HP 2000 target. No HP 2010 target for prevalence rate per 100,000 population for Chlamydia is available

<sup>2</sup>HP 2010 target is 2.4, 5.1, and 3.8 cases per 100,000 population for age groups 19-24, 25-39, and 40+, respectively.

<sup>3</sup>HP 2010 target is 2,000 cases nationwide for children under 7 years of age. No HP 2010 target rate is available

<sup>4</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- Data presented in the table only reflects reported cases. Some diseases such as Hepatitis may be very under-reported indicating a need for increased surveillance.
- In 2001 Storey County met HP 2010 targets for Gonorrhea, Syphilis, Hepatitis A, Hepatitis B, Hepatitis C, Mumps, Pertussis, Rubella, Meningitis, Meningococcal disease, Tuberculosis, Campylobacteriosis, *E. coli* 0157, and Salmonellosis
- HP 2010 objectives were not reviewed for those infectious diseases for which in 2001 there were fewer than 5 cases. These were AIDS and Chlamydia.



## INJURIES

**TABLE 10 Injury Death Rate per 100,000 Population, 1999-2001**

	Year	Storey County	Nevada	Healthy People 2010 Targets	
Homicide	1999	0.0	8.2	3.0	★
	2000	0.0	6.2	3.0	★
	2001	15.6	8.8	3.0	▲
Suicide	1999	<sup>1</sup> NA	20.6	5.0	
	2000	<sup>1</sup> NA	19.2	5.0	
	2001	0.0	18.2	5.0	★
Motor Vehicle Injuries	1999	0.0	15.0	9.2	★
	2000	0.0	13.2	9.2	★
	2001	15.6	15.3	9.2	▲

*Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002*

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

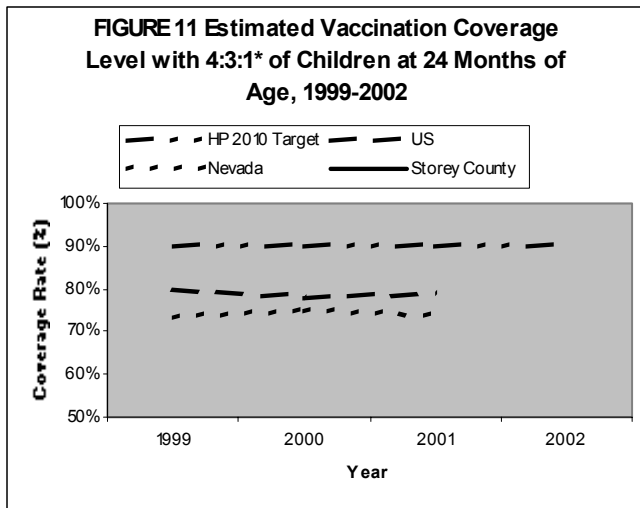
<sup>1</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

- Death rates per 100,000 population for Storey County and Nevada and HP 2010 targets are age-adjusted rates (year 2000 standard population)
- In 2001, Storey County reached the HP 2010 target for suicide, but the State of Nevada did not.
- In 2001, neither Storey County nor the State of Nevada reached the HP 2010 targets for homicide and motor vehicle injuries.



## PREVENTIVE SERVICES USE

### IMMUNIZATION COVERAGE LEVELS IN CHILDREN



Data source: Bureau of Community Health, Nevada State Health Division, 2002

\* Four or more doses of Diphtheria and Tetanus toxoids and Pertussis vaccine, 3 or more doses Poliovirus Vaccine, and one or more doses of Measles-Mumps-Rubella vaccine

- There is insufficient immunization data for Storey County from the public health clinic only.
- The data for Nevada and the US were obtained from the National Immunization Survey for Children 19-35 months of age. Data has not yet been released for 2002.
- The Healthy People 2010 target is for children 19-35 months of age.

### ADULT PREVENTIVE SERVICES USE

- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 11 lived in Storey County (7 male, 4 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 13 lived in Storey County (8 male, 5 female).
- **There were too few people interviewed by the BRFSS to assess the mammogram screening, pap smears, pneumococcal and influenza vaccination in Storey County.**



## MENTAL HEALTH

There are 18 clinics that comprise the Mental Health Rural Clinics service delivery system. Each clinic has a combination of psychiatrist(s), psychologists, clinical social workers, mental health counselors, psychiatric caseworkers, and support staff. Each clinic provides an array of mental health services on an outpatient basis such as individual, couple, and family therapy, group therapy, medication clinic, service coordination, psychological testing, psychosocial rehabilitation, housing services, emergency services, and consultation and education. Many clinics also have substance abuse counselors.

There is not currently a Mental Health Clinic in Storey County. Residents in Storey County go to the Mental Health Clinic in Dayton, Lyon County.



## TECHNICAL NOTES

### 1. RACE AND ETHNICITY

In this report, "Native" refers to American Indian, non-Hispanic populations; "Asian" refers to Asian/Pacific Islander, non-Hispanic populations; "Black" refers to African American, non-Hispanic populations; "White" refers to White, non-Hispanic populations; "Hispanic" includes all races with a Hispanic ethnic origin. No duplicate counting exists.

### 2. POPULATION DATA

All Storey County and Nevada population data were based on the database established by the Nevada State Demographer's Office and provided by the Bureau of Health Planning and Statistics, Nevada State Health Division.

### 3. CRUDE RATE

Crude Death Rate = Number of Deaths / Population x 1,000 or 100,000

*(This rate calculation was applied to infant mortality rate, neonatal mortality rate, and post-neonatal mortality rate)*

Crude Incidence Rate = Number of New Cases of Specific Disease / Population x 100,000

*(This rate calculation was applied to the rate of infectious diseases per 100,000 population)*

### 4. AGE-ADJUSTED MORTALITY RATE

Age-Adjusted Mortality Rate = Total Expected Number of Deaths / Total Standard Population x 100,000

*(This rate calculation was applied to the mortality rate of leading causes of death and injuries in this report. Health People 2010 targets for mortality rates of leading causes of death and injuries are also age-adjusted rates. For all three-year's, 1999-2001 age-adjusted rate calculations, the age was adjusted to the year 2000 standard population.)*

### 5. DATA CONFIDENTIALITY

According to the data confidentiality policy of the Nevada State Health Division, sensitive cases (number of reported cases equal to or less than 5) are not allowed to be reported for general publication. Further information for internal use can be provided by the Bureau of Community Health upon request.

### 6. SAMPLE SIZE FOR BRFSS IN STOREY COUNTY

In the Nevada BRFSS survey, 13 and 11 Storey County residents participated in the survey in 2000 and 2001 respectively. The sample size may not be ideal to represent Storey County's population and caution should be used when interpreting BRFSS survey responses.

### 7. POVERTY

How the Census Bureau Measures Poverty

Following the Office of Management and Budget's (OMB) Statistical Policy Directive 14, the U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine who is poor. If a family's total income is less than that family's threshold, then that family, and every individual in it, is considered poor. The poverty thresholds do not vary geographically, but they are updated annually for inflation using the Consumer Price Index (CPI-U). The official poverty definition counts money income before taxes and does not include capital gains and noncash benefits (such as public housing, Medicaid, food stamps). Poverty is not defined for people in military barracks, institutional group quarters, or for unrelated individuals under age 15 (such as foster children). They are excluded from the poverty universe – that is, they are considered neither as "poor" nor as "nonpoor."

Source: Joseph Dalaker and Bernadette D. Proctor, U.S. Census Bureau, Current Population Reports, Series P60-210, Poverty in the United States: 1999, U.S. Government Printing Office, Washington, DC, 2000.



## REFERENCES

Bureau of Health Planning and Statistics and Center of Applied Research. *Nevada Behavioral Risk Factor Surveillance Survey Time Trend Analysis: 1992-2001*. Department of Human Resources, Storey County, Nevada: State Health Division. April 2001.

Bureau of Health Planning and Statistics. *Nevada Vital Statistics 1999*. Department of Human Resources, Storey County, Nevada: State Health Division. February 2001.

CDC. *Nevada 2000 State Health Profile*. Atlanta, GA: US Department of Health and Human Services, CDC, 2000.

Eberhardt MS, Ingram DD, Makuc DM, et al. *Urban and Rural Health Chartbook. Health, United States, 2001*. Hyattsville, Maryland: National Center for Health Statistics. 2001.

Nevada State Demographer. Nevada July 1, 2000 Population Estimate from Nevada Demographer (Based on Census 2000, April 1, 2000 Estimates, Adjusted for Other and Two or More Races). 2001.

U.S. Department of Health and Human Services. *Healthy People 2010*. 2<sup>nd</sup> ed. With Understanding and Improving Health and Objectives for Improving Health. 2 Vols. Washington, DC: U.S. Government Printing Office, November 2000.